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Academic CV

Nationality: Italian

Current Positions:

- **Since 1st of February 2022: Full Professor of Logic and Philosophy of Science and Human Development – Department of Science & Technology for Sustainable Development and One Health**
- **Since 25th March 2020:** adjunct professor in CC BIO (University of Bergen): <https://www.uib.no/en/ccbio>

Other relevant positions:

- Since June 2022: **Member of Consulta Italiana di Filosofia**
- Since May 2022: member of **G.C. General Consulting Network**
- Since January 2022: member of the **working group “Lavoro e benessere integrato”** at Dipartimento per il benessere integrale “Maria e il creato” della Pontificia Accademia Mariana Internationalis
- Since December 2021: **Member of the CTS (Comitato Tecnico Sanitario) of the Ministero della Sanità**, Biotecnologie innovative.
- Since April 2021: **Member of the national coordination group ‘Bioeconomia’ for the Ministero della Transizione Ecologica:** <https://cnbbsv.palazzochigi.it/it/materie-di-competenza/bioeconomia/>
- Since 2021: **Member of the European Group Governance in Complexity:** <http://ecgc.eu/>
- Since October 2020: member of the **SILFS Board** (Società Italiana di Logica e Filosofia della Scienza: <https://www.silfs.it/>)
- Since March 2020: **Delegate of the Rector** of University Campus Bio-Medico of Rome for R.U.S. (Rete Italiana delle Università per la Sostenibilità): <https://sites.google.com/unive.it/rus/chi-siamo>
- Since 2020: **Delegate of the Rector** of University Campus Bio-Medico of Rome for RUNIPACE (Rete Italiana delle Università per la Pace): www.runipace.org

- Since 2019: Member of the **External Faculty of Konrad Lorenz Institute (KLI)** -An independent Center for Advanced Studies in Life and Sustainability Sciences, Klosterneuburg, Vienna, Austria https://www.kli.ac.at/content/people/all_people/view/254
- Since February 2018 – **Scientific director** of the Human and technology section of the website Saluteuropa - <https://saluteuropa.org/category/uomo-e-tecnologia/>
- Since 2018: **Scientific Committee** of Fondazione Alberto Sordi: <http://www.fondazionealbertosordi.it/>
- Since September 2017: **Editor in Chief** of Springer Series on “Human Perspectives in Health Sciences and Technology” (HPHS&T) starting in 2018. <https://www.springer.com/series/16128>
- Since 2006: **Executive Committee and Bord Director** of *Home Renaissance Foundation* (London), **Scientific Committee** Member for the area of “Health and Primary Care”: <http://www.homerenaissancefoundation.org/homeorg/directors.html>

Previous Academic Titles and Positions:

30th July 2018: Italian *Abilitazione Nazionale* for Full Professor in Philosophy of Science (SC: 11/C2 – SSD: M-Fil02).

2nd July 2017-1st February 2022: Associate Professor of Philosophy of Science, Faculty of Science and Technology for the Humans and their environment, University Campus Bio-Medico of Rome, Italy. **2012-2017:** Assistant Professor of Philosophy of Science, Faculty of Engineering and Institute of Philosophy of the Scientific and Technological Practice (IPSTP), University Campus Bio-Medico of Rome, Italy.

2008-2010: PhD in Bioethics at the Institute of Philosophy of the Scientific and Technological Practice (University Campus Bio-Medico of Rome) with a thesis on the ‘Evolution of the epistemological models of cancer’ (rated Excellent). Awarding on the 13th of April 2011.

1997: National Professional Qualification for Biologists, at the University of Pavia

1995: Degree in Biological Science, Graduation thesis presented at the National Institute for Tumours of Milan (Maximum Score and Honours).

Awards:

2019: Expanded Reason Award 3rd Edition – Research Category, by University Francisco de Vitoria (Madrid, Spain) for “Philosophy of Cancer – A Dynamic and Relational View” (2016) Springer Series in “History, Philosophy and Theory of the Life Sciences”, 18.

1991: Philips National competition for “Young Researchers” with a study on “Experimental verification of the initial events in germination”.

Main Fellowships (in Philosophy of Science)

- 24th – 31st March 2019: *Visiting Scholar* at the Department of History and Philosophy of Science, Pittsburgh, PA, USA. Ref. Sandra Mitchell.
- 26th August - 3rd September 2018: *Visiting* at Konrad Lorenz Institute (KLI) for Evolution and Cognition Research, Klosterneuburg, Vienna, Austria.
- 6th – 9th May 2015: *Visiting* at Egenis (Centre Of Studies of Life Sciences), University of Exeter (UK). Ref. John Dupré.
- April 2013 - May 2014: *Visiting Fellow* at the Centre of Biomedical Humanities of the Department of Experimental Oncology of IEO, University of Milan. Ref. Giovanni Boniolo
- September – December 2012: *Visiting Fellow* – Center for Philosophy of Science, Pittsburgh University, http://www.pitt.edu/~pittcntr/People/visiting_fellows/vf_2012-13/bertolaso.html

- 28th February – 9th May 2011: *Visiting Scholar* at the Department of History and Philosophy of Science, Pittsburgh, PA, USA. Ref. Sandra D. Mitchell.
- 10th – 21st January 2011: *Visiting Scholar* stay at the IHPST (Institut d’Histoire et de Philosophie des Science et des Techniques), Paris, France. Ref. Jean Gayon.

Scientific Experience:

- **1994-1996:** INT (National Tumor Institute), Milan in the department of molecular biology with a project on the gene expression and localization of c-ERB2 in the ovarian cancer
- **1997** (2nd June ‘97 – 1st June ‘98): obtained a Regional Grant (funded by ASL1 of Turin) for a project on “Genetic molecular alterations and malignancy in primary breast cancers”, at the department of anatomical pathology, San Giovanni Vecchio Hospital, Turin (Italy)
- **1998-1999** (1st January ‘98 – 31st May ‘99): IRCC (International Research Centre for Cancer), Candiolo, Turin, Regional Grant (funded by G. Ghirelli Foundation) for a project on “Development of a non-radioactive protein truncation test: applications in the clinical area for the analysis of mutated genes involved in familiar syndromes and sporadic cancers”
- **2008-2010:** Grant from UCBM for a research project at the Institute of Philosophy of the Scientific and Technological Practice at University Campus Bio-Medico of Rome on Philosophy of Cancer and Cancer Research’.
- **Since 2008**, after having experienced in first hand some bio-medical research (see above), I have been developing my philosophical training, skills and academic CV in **research**, **teaching** and **tutoring**, and **research group promotion and coordination** at academic level, in contact with the national and international scientific and academic environments (both Anglo-Saxon and Latin, Spanish speaking communities).

Languages

<i>Language</i>	<i>Writing</i>	<i>Listening</i>	<i>Speaking</i>	<i>Reading</i>
	Madre	Madre lingua		
ITALIAN	Mother tongue	Mother tongue	Mother tongue	Mother tongue
ENGLISH	Good	Excellent	Very good	Excellent
SPANISH	Excellent	Excellent	Excellent	Excellent
FRENCH	-	Fine	-	Good

CURRENT TEACHING in University Campus Bio-Medico of Rome

- Since 2020-2021: teaching Management and Digital Mindset Lab (UCBM, ING-ISS)
- Since 2020-2021: teaching The Human Factor in the Digital Transitions (UCBM, ING-ISS)
- Since 2020-2021: teaching English Language and Soft Skills for Engineering Sciences (UCBM, ING-I)
- Since 2019-2020: teaching Human Ecology and Sustainability (UCBM, STAGEF)
- Since 2018-2019: teaching Filosofia dell’uomo e della riabilitazione (UCBM, Cdl Fisioterapia)
- Since 2012: teaching Philosophy in the Engineering Sciences (UCBM, ING-I)
- Since 2015: teaching Human Ecology and Sustainability (UCBM, ING-C)
- Since 2014: teaching in Ethics of Human Nutrition (UCBM, SANUM)

Since 2017: coordinator of the interdisciplinary course within the PhD program Scienze e Ingegneria per l’uomo e per l’ambiente/Science and engineering for humans and the environment - DOT13A0534.

Recent 2020-2021 Masters Teaching

- 2020-2021: LUISS Guido Carli Business School: Master Executive “Sperimentazione Clinica”: Major del Master in Management della Filiera della Salute. 3 July 2020: Sperimentazione clinica - Aspetti etici e privacy nella gestione dei campioni biologici.
- 2021-2022: Corso di perfezionamento in Bioetica, Università di Padova
- 2021, 27th July - "Globalization Governance and International Understanding": Globalization and Health, Link Campus University

Other Previous International TEACHING Experiences

- Department of Philosophy, Washington University of St. Louis, USA – November 6th to November 14th 2016: 4 hours lectures on theoretical and ethical issues related to Transhumanism, Post-Genomic Era and In Silico Medicine, in Anya Plutynski’s course on “Biomedical Ethics” (undergraduate students).
- Munich Center for Mathematical Philosophy (MCMP), Ludwig-Maximilians-Universität München – June 28th to July 8th 2016: weekly lectures on “Complexity and Causality in Medicine” in the course for PhD students and post-doc in philosophy and bio-sciences, on Philosophy of Causality held by Barbara Osimani and Roland Pollinger.
- Universidad Popular Autónoma del Estado de Puebla (UPAEP), Mexico – February 7th and 8th 2017: 9 hours of lectures for scientists, doctors, humanists and philosophers on “Philosophy of Cancer”.

THESIS -PhD- POST-DOC students

- 2014-2015: Undergraduate thesis in Philosophy (University of Bologna): Filippo Landi – co-supervisor
- 2014-2018: PhD thesis in Philosophy of Science (University of Roma Tor Vergata and IHPST-Paris): Anna Maria Dieli – tutorial lecturer from 2014 to 2017, final examiner in 2018
- 2016-2017: post-doc grant, Mattia Della Rocca (University Campus Bio-Medico of Rome) – member of examining board during PhD thesis dissertation – substitute
- 2017: post-doc grant, Mattia Della Rocca (University Campus Bio-Medico of Rome) – member of examining board
- 2016-2017: post-doc grant, Federico Boem (University Campus Bio-Medico of Rome)
- 2017-2018: post-doc grant, Fabio Sterpetti (University Campus Bio-Medico of Rome)
- 2018-2019: post-doc grant in Philosophy of Science (University Campus Bio-Medico of Rome): Chiara Beneduce – supervisor
- 2018-2022: Laura Corti PhD student on “Lo schema corporeo nei soggetti con neuroprotesi: un’analisi fenomenologica”.
- 2018-2022: Andrea Pensotti, industrial PhD student on “Studio sul processo di modellizzazione in silico di dinamiche biologiche multilivello in oncologia” (University Campus Bio-Medico of Rome).
- 2019- 2023: Sabrina Melino PhD student on “Per una cura integrata della malattia cronica. Dal cuore della cultura europea, la riscoperta del dialogo tra discipline scientifiche e umanistiche”.

Current PhD students:

- **2020-** : Emiliano Boschetto, industrial PhD student on “La transizione digitale: nuove prospettive per il concetto di benessere organizzativo nei sistemi complessi”
- **2020-** : Luca Capone, PhD on “Tecnica e rappresentazione nell’era digitale: Prospettive teoretiche e pratiche per una filosofia dei big data”

Recent Fellows from other universities (funded from external/their university)

- June-August 2021: Pablo Garcia: Univ. di Malaga: Epistemology and philosophy of aging and its current scientific agendas
- July 2021: José Mara Pelaez: Univ Francisco de Victoria (Madrid): CSR and relational and sustainable management.

PhD dissertations' commissions:

- 2022: PhD Marco Casali, Sorbone Paris, Mentor: Francesca Merlin
- 2021: PhD thesis in Philosophy of Science, Sarah , Sorbone, Paris. Mentors:
- 2021: PhD thesis in Philosophy of Life Sciences, Guglielmo Militello (Universidad Pais Basco, Spain). Mentors: Alvar Moreno, Leonardo Bich.
- 2018: PhD thesis in Philosophy of Science: Alessandra Passariello (Sapienza University of Rome) – final examiner
- 2020: PhD thesis in Medicine: Caroline Benedicte Nitter Engen (University of Bergen) – final examiner (2° opponent)
- 2018: PhD thesis in Philosophy of Science: Elsa Muro (Universidad Navarra) – final examiner

Current Main Research Areas

A. Philosophy of Scientific Practice and Philosophy of Life Sciences

I have been focusing my research on the Epistemology of Science and Philosophy of Bio-Medicine. In particular, both my previous laboratory scientific work and current endeavours in the Philosophy of Science have dealt with different aspects of regulatory and control issues of complex biological systems, organizations, and growth. I have also studied how different explanatory theories evolve in science, and how (mechanical) models can be considered a way towards discovery in the biotechnological field. How science works in practice, from genetics to bio-engineer, has also been one of the most recent areas of research and philosophical reflection. A particular attention has been paid to Systems Biology as it has been strictly connected with contemporary research on the organismic dynamics.

B. Scientific Practice: Contemporary Epistemological Issues, Virtues and Ethics

The main topics I have been focusing on have been Artificial Intelligence and human work (Big Data), management and transmission, human enhancement with their ethical and social implications. More recently, I have been asked also to reflect on the implications for technology, sociology, economics and education of some emerging concepts in philosophy of science and philosophy of life sciences such as complexity, intelligence, critical thinking, sustainability, integral development.

C. Philosophy of Sustainable Management and Care

In dialogue with recent developments in engineering, economy and social sciences I have been expanding my reflections on biological dynamics to the organizational sciences and to the concept of Wellness, Wellbeing and Healthcare. I am interested both in the peculiar object of such sciences (care processes, new models and frontiers of leadership, organizational models and their adaptive processes, sustainable management) and on the impact that emerging systemic paradigms have on

organizations, enterprises, welfare programs and policies.

Publications

Papers – ARTICOLO IN RIVISTA

1. Venesio T, Balsamo A, Scordamaglia A, Bertolaso M, Arrigoni A, Sprujevnik T, Rossini FP, Risio M (2003). Germline APC mutation on the beta-catenin binding site is associated with a decreased apoptotic level in colorectal adenomas. *Mod. Pathol*, 16(1): 57-65. ISSN 0893-3952
2. Bertolaso M, Gaudino C, (2007) *Leben aus dem Labor? Die Aktualität von “Donum Vitae”*, *Imago Hominis*, Band 14 - Heft 2, 110-112. ISSN: 1021-9803
3. Piredda M, Bertolaso M, Tartaglini D, De Benedictis A, De Marinis MG (2008). Valenza etica del nursing (The Ethical Valence of Nursing). *Ital J Rehab Med - MR*, 22: 229-33. ISSN: 1128-4935
4. *Bertolaso M (2009) Towards an Integrated View of the Neoplastic Phenomena in Cancer Research, *Hist. Phil. Life Sci.*, 31:79-98. ISSN: 0391-9714
5. -Bertolaso M (2009) The neoplastic process and the problems with the attribution of function, *Rivista di Biologia/Biology Forum*, 102:273-295. ISSN: 0035-6050
6. -Bertolaso M, Olsson J, Picardi A, Rakela J (2010). Gene Therapy and enhancement for diabetes (and other diseases): the multiplicity of considerations. *Diabetes Metab Res Rev*, 26:520-524. ISSN: 1520-7552, doi: 10.1002/dmrr.1116
7. Bertolaso M, Giuliani A, Degara L (2010) Systems Biology reveals biology of systems, *Complexity*, 16: 1-7. ISSN: 1076-2787, doi: 10.1002/cplx.20353
8. -Bertolaso M (2011), The two sides of the hourglass: analytic and synthetic approaches in cancer research, *Ludus Vitalis. Journal of Philosophy of Life Sciences*, 19 (35): 73-95. ISSN 1133-5165
9. -Pennacchini M, Bertolaso M, Elvira MM, De Marinis MG (2011), A brief history of the Quality of Life: its use in medicine and in philosophy. *Clin Ter*, 162 (3), e99-103. ISSN: 0009-9074
10. *Bertolaso M (2011), “Hierarchies and Causal Relationships in the Interpretative Models of the neoplastic process”, in Special Issue “Causation and Disease in the Post-Genomic Era”, *Hist. Phil. Life Sci.*, vol. 33(4): 515-536 ISSN: 0391-9714
11. -Bertolaso M (2011), “Epistemology in Life Sciences. An Integrative Approach to a Complex System like Cancer“, in a Forum on “Possibilities for multidiscipline”, *Ludus Vitalis. Journal of Philosophy of Life Sciences*, 19(36): 245-249 ISSN: 1133-5165
12. - Ugolini S, Bertolaso M, (2011), *Scienza e Società: la Medicina della Saga di Twilight (Science and Society: Medicine in the Twilight Saga)*, *Medic. Metodologia Didattica ed Innovazione Clinica*, 19(2): 42-48. ISSN: 1824-3991
13. Cherubini C, Gizzi A, Bertolaso M, Tambone V, Filippi S (2012), “A Bistable Field Model

of Cancer Dynamics”, CiCP (Commun. Comput. Phys.), Vol. 11, No. 1, pp. 1-18. ISSN: 1815-2406, 10.4208/cicp.270710.220211a

14. *Bertolaso M. (2012) La Dimensione non Riduzionista del Riduzionismo nella Ricerca Sperimentale Dai Modelli Molecolari a Quelli Sistemici nella Ricerca sul Cancro. Rivista di Filosofia Neo-Scolastica, Vol. 4. p. 687-705 ISSN: 0035-6247

15. -Barcaccia, B., Esposito, G., Matarese, M., Bertolaso, M., Elvira, M., De Marinis M.G. (2013) Defining quality of life: a wild-goose chase?, Europe’s Journal of Psychology, special issue Quality of Life in Social Science & Clinical Medicine, February 2013, Vol. 9(1), 185–203, doi:10.5964/ejop.v9i1.484 ISSN: 1841-0413

16. *Bertolaso M (2013). On the Structure of Biological Explanations: Beyond Functional Ascriptions in Cancer Research. Epistemologia, vol. 36, p. 112-130. ISSN 0392-9760

17. -Bertolaso M. (2013) La Indeterminación Biológica y las Perspectivas Sistémicas de la Biología Contemporánea - Biological Uncertainty and the Systemic Perspectives of Contemporary Biology . Anuario Filosófico, vol. 46/2, p. 365-386. ISSN 0066-5215

18. -Bertolaso M (2013) Breaking Down Levels of Biological Organization, Theoretical Biology Forum (Rivista di Biologia), Vol 106(1-2), 49-71 ISSN 0035-6050, ISSN ELETTRONICO 1825-6538

19. *Bertolaso M (2014) Why It Proves so Difficult to Pin Down a Definition of Nature. In a Special Issue on “Rethinking Nature”, *Teoria* (call for a special issue), 34(1): 75-92. ISSN 1122-1259

20. *Bertolaso M, Ghilardi G (2014) Semantic roots of reductionism limits, Rivista di Filosofia Neo-scolastica, 3: 481-500. ISSN: 0035-6247

21. Giuliani A, Filippi S, Bertolaso M (2014) Why network approach can promote a new way of thinking in biology, hosted by Dr(s) Xiaogang Wu, Hans Westerhoff, Pierre De Meyts, Hiroaki Kitano in Frontiers in Genetics (Systems Biology), Vol 5 (83), 1-5. ISSN: 1664-8021

22. -Bertolaso M (2014) La complessità del cancro. Verso nuove categorie concettuali per comprendere la rilevanza del contesto, *Medicina & Storia*, Anno 14, 5 n.s.: 97-120. ISBN: 9788846739797/ISSN: 1722-2206

23. Loppini A, Capolupo A, Cherubini C, Gizzi A, Bertolaso M, Filippi S, Vitiello G (2014), On the coherent behavior of pancreatic beta cell clusters, *Physics Letters A*, 378: 3210–17. ISSN: 0375-9601

24. Di Stefano N, Bertolaso M (2014) Understanding Musical Consonance and Dissonance: Epistemological Considerations from a Systemic Perspective. In a Special Issue "Towards a Second Generation General System Theory", *Systems*, 2: 566-575. ISSN: 2079-8954

25. - Bertolaso M (2014), Il cancro e la sua complessità: aspetti etici ed epistemologici (Cancer and its complexity: epistemological implications) (Editorial), in “Cancer and its Complexity: Epistemological and Ethical Reflections”, Numero Speciale *Medic. Metodologia Didattica ed Innovazione Clinica*, M. Bertolaso (Ed.), Vol. (22) 2: 7-14. ISSN: 1824-3991

26. *Bertolaso M (2015), Emerging Epistemologies in life sciences, Rivista di Filosofia Neo-

27. Bertolaso M; Capolupo A; Cherubini C.; Filippi S.; Gizzi A.; Loppini A.; Vitiello G. (2015), The Role of Coherence in Emergent Behavior of Biological Systems, *IEBM: Electromagnetic Biology and Medicine*, 34 (2), 138-140, ID: 1036069 ISSN: 1536-8378
28. - Di Bernardo M, Dieli AM, Bertolaso M (2015) Thinking out of the box: Education as a Relational Challenge (Pensare fuori dagli schemi: l'educazione come sfida relazionale), *Medic. Metodologia Didattica ed Innovazione Clinica*, 23(1): 90-96. ISSN: 1824-3991
29. *Bertolaso M, Caianiello S (2016) Robustness as Organized Heterogeneity, *Rivista di Filosofia Neo-Scolastica*, Vol. CVIII (2), pp. 293-303. ISSN 0035-6247
30. - Valera L & Bertolaso M (2016) Understanding biodiversity from a relational viewpoint, *Tópicos, Revista de filosofía* Vol 51, 37-54. ISSN: 0188-6649
31. Giuliani A, Bartolini E, Bertolaso M (2016), L'humus della scienza: per una necessaria riscoperta della meraviglia e della cooperazione nella ricerca scientifica. *Scienze e Ricerche*, 28:1-4. ISSN: 2283-5873
32. *Bertolaso M. & MacLeod M (Eds) (2016) In Silico Modeling: the Human Factor, *Humana.Mente Journal of Philosophical Studies*, Vol. 30 III-V, pp. III-XV. ISSN 1972-1293
33. Bertolaso M, Di Bernardo M (2016) Questioni Epistemologiche Emergenti nelle Bio-Discipline (Epistemic Values at the intersection of Bio-Techno-Practice. An introduction to Biodisciplines) in *Biodisciplines* (a cura di Marta Bertolaso e Mirko Di Bernardo), *Scienze e Ricerche*, 30: pp. 5-8. ISSN: 2283-5873
34. -(*) Bertolaso M, Frezza G (2016), Bio-techno-practice: personal and social responsibility in the academic work (Bio-techno-practice: responsabilità personale e sociale nel lavoro di ricerca), *MEDIC. Metodologia Didattica ed Innovazione Clinica* 2016; 24(1): 75-84. ISSN: 1824-3991
35. -Bertolaso M (2016) Maternità surrogata, in "Nobiltà del nascere" (Maria Pia Garavaglia & Paola Binetti, Eds), *L'Arco di Giano*, Rome, numero 88, pp. 67 – 75. ISSN: 1721-0178
36. Bertolaso M, Mitchell SD (2017), Pluralismo integrador. Un nuevo enfoque para comprender la complejidad biológica *Investigación y Ciencia*. pp. 50-51, Gennaio, N. 484, ISSN 0210-136X (<https://www.investigacionyciencia.es/revistas/temas/filosofa-de-la-ciencia-801/pluralismo-integrador-14839>)
37. -Bertolaso M (2017) Building bridges - Between, in and for the philosophy of biology. Introduction to the Monothematic Section, in *Emerging trends in Philosophy of Biology* (Ed. Marta Bertolaso), *Acta Philosophica*, 26 (1): 11-18 ISSN: 1121-2179
39. *Bertolaso M, Della Rocca M (2017) On the Processes of Growth of the Living Being and the Relevance of Relational Categories to Understand it, *annata CIX, fascicolo 2, Rivista di Filosofia Neo-Scolastica*, pp. 255-268 ISSN: 0035-6247
40. *Bertolaso M (2017), Uncoupling Mereology and Supervenience: A Dual Framework for Emergence and Downward Causation, in "Causality and Explanation in Scientific Practice" (Evandro Agazzi, Marco Buzzoni Eds), *Axiomathes*. Vol. 27, Issue 6, pp. 705-720 ISSN: 1122-1151

41. *Bertolaso M, Sterpetti F (2017), Evidence amalgamation, Plausibility and Cancer Research, *Synthese*, pp. 1-39, S. I. Evidence Amalgamation in the Sciences, ISSN: 0039-7857, DOI 10.1007/s11229-017-1591-9
42. Bertolaso M, Dieli AM (2017), Cancer and Intercellular Cooperation, *Royal Society Open Science*, pp.1-14. ISSN: 2054-5703, DOI 10.1098/rsos.170470.
43. *Osimani B, Bertolaso M, Poellinger R, Frontoni E (2018), Real and Virtual Clinical Trials: A Formal Analysis, in “Foundations of Clinical Reasoning: An Epistemological Stance” (Mattia Andreoletti (Campus IFOM-IEO, Milan), Paola Berchialla (University of Turin), Giovanni Boniolo (University of Ferrara), Daniele Chiffi (Tallinn University of Technology) Eds), *Topoi*, pp. 1-12 ISSN: 0167-7411, DOI: 10.1007/s11245-018-9563-3
44. *Sterpetti F, Bertolaso M. (2018): “The Pursuit of Knowledge and the Problem of the Unconceived Alternatives. An International Review of Philosophy”, *Topoi.*, pp. 1 – 12, ISSN: 0167-7411, doi: 10.1007/s11245-018-9551-7
45. Bertolaso M, Valera L (2018), Verità e fiducia nell’era del Transumanesimo, in *SCIO – Revista de filosofía XV*, pp. 97-122, ISSN: 1887-9853
46. *Plutynski A, Bertolaso M (2018), What and How Do Cancer Systems Biologists Explain? *Philosophy of Science*. Vol. 85, Issue 5, pp. 942-954, ISSN: 0031-8248, DOI: 10.1086/699716
47. Bertolaso M, Rocchi M, (2020) Specifically Human: Human Work and Care in the Age of Machines, in Special Issue: The Meaning of Work in the Fourth Industrial Revolution, *Business Ethics: A European Review* (Juan Fontradona, Ed.), ISSN: 0962-8770, DOI: 10.1111/beer.12281
48. Bertolaso M (2019), Artificialmente e Umanamente: Epistemologie a Confronto, in *Transizione digitale* (Stefano Zamagni, Ed), *Paradoxa* 2/2019, pp. 137-149.
49. Brizi M R, Pennacchini M, Bertolaso M, Ageing and working capability: volunteer work as a means to an active longevity, in *Medic* 2019, 27(2): 100-108.
50. Bertolaso M, Corti L, (2019), Prospettive sulle/delle metamorfosi tecnologiche, in “Metamorfosi del vivente”, *ATQUE* 24 n.s./2019, pp. 63-84.
51. Bizzarri M, Giuliani A, Pensotti A, Ratti E, Bertolaso M (2019), Co-Emergence and Collapse: the Mesoscopic Approach for Conceptualizing and Investigating the Functional Integration of Organisms, in *Front. Physiol.* DOI: 10.3389/fphys.2019.00980
52. *Bertolaso M, Campaner R, (2020) Scientific Practice in Modeling Diseases: Stances from Cancer Research and Neuropsychiatry, *The Journal of Medicine and Philosophy: A Forum for Bioethics and Philosophy of Medicine*, ISSN: 0360-5310
53. * Loppini A, Cherubini C, Bertolaso M, Filippi S (2020) Breaking down calcium timing in heterogenous cells populations, *Biosystems*, <https://www.sciencedirect.com/science/article/pii/S0303264720300241?via%3Dihub>; <https://doi.org/10.1016/j.biosystems.2020.104117>

54. Corti L, Bertolaso M (2020) Embodiment from philosophy to life science and back. *Ludus Vitalis*, vol. XXVII, num. 52, 2019, pp. 137-142.
55. Roncella A, Bertolaso M (2021) A generative paradigm for human work. Meritocracy and value creation in a post COVID-19 world. In “The future of work” special issue (Martin Schlag Ed), *Journal for Business and Professional Ethics (JBPE)*.
56. Bertolaso M (2021) Il fattore umano nelle transizioni digitali, in “Intelligenza artificiale e dottrina sociale della Chiesa” (Markus Krienke , Ed), *La Società*.
57. * Corti, L., Di Stefano, N., Bertolaso, M. (2022), Artificial Emotions: Toward a Human-Centric Ethics, *International Journal of Social Robotics* <https://doi.org/10.1007/s12369-022-00890-1>
58. Bertolaso, M., & Rocchi, M. (2022). Specifically Human: Human Work and Care in the Age of Machines. *Business Ethics, the Environment & Responsibility*, 31(3), 888–898. <https://doi.org/10.1111/beer.12281>
59. * Militello G, Bertolaso M (2022) Stem cells and the Microenvironment: Reciprocity with Asymmetry in Regenerative Medicine, *Acta Biotheoretica*.
60. Corti, L., Afferni, P., Bertolaso M. (2020-2021), Healthcare 4.0 and Human-Centric Approach, *MEDIC* 28(2)-29(1), pp.16-24
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